FINAL YEAR PROJECT REPORT

MONITERING AND CONTROLLING THROUGH GSM SCADA BASED SYSTEM

In fulfillment of the requirement
For degree of
BEE (Electronics)

By

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CONTROLLING AND MOINTERING THROUGH USING GSM

ABSTRACT:

Microcontroller based SCADA System Using GSM is used of monitoring and controlling the industrial processes and controlling of the electronic devices at any remote area from base station using HMI. This project is a wonderful & most reliable solution for the widely scattered SCADA. Monitoring is required in many industries and applications such as oil and gas, power related, water treatment plant, and environmental monitoring. In these applications, a fairly large number of RTUs in remote and hazardous locations which collects data from devices and send data and alarms to a SCADA terminal in a central control room (CCR). As the IT network infrastructure improves in remote areas, commodity network infrastructure can be more readily used in telemetry applications, reducing initial startup costs and affording relatively stable communications, previously SCADA is made by PLC'S which make high cost of transplantation as use of microcontroller is smart lass spaced efficient and reliable way of communication through remote area it decreases the initial cost of plantation and reduces the repairing and service cost.

Since this technology has not been available to the public on large scale in Pakistan therefore we are committed to manufacture this project in reasonable price on large scale so that Industries and companies like SSGC, KESC of Pakistan can benefit from our product. We believe that our project has the potential to conquer large market.

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